INDEX TO HORTICULTURE VOLUME XXXV

Jan. — pp. 1–56 July — pp. 353–392
Feb. — pp. 57–112 Aug. — pp. 393–432
Mar. — pp. 113–184 Sept. — pp. 433–488
Apr. — pp. 185–240 Oct. — pp. 489–544
May — pp. 241–296 Nov. — pp. 545–588
June — pp. 297–352 Dec. — pp. 589–632

Articles and plants in **boldface** are illustrated.

A

Acer griseum ... 265
Acer saccharum monumentale ... 265
Achimenes tubers, start indoors ... 120
Aechmea orlandiana on date palm; A. weilbachi ... 554
African violets, my way with — Wm. B Carter ... 479
African violets, The Pixie — J. and D. Coryell ... 141
African violets, trailing relatives of — P. Arnold ... 502; 558
Air layering to propagate woody plants ... 371
Ajuga pyramidalis ... 169
Alpines from seed — D. Klaber ... 508
Aluminum plant ... 573
Amaryllis, the hardy — B. Newhoff ... 409
Amazon-lily — B. S. Lownes ... 122
Anemone pulsatilla — J. A. Mietunen ... 122
Annuals, backyard garden of — (Coleus, flowering tobacco, nemesias, petunias, verbenas) ... 19
Annuals for tulip beds ... 120
Annuals for your windowsill — S. P. Stetson ... 541
Annuals galore for new year ... 16
Annuals, time to sow seed in greenhouse ... 8
Annuals to highlight your summer garden ... 278
Arnold Arboretum, field group at ... 313
Artificial light, gardening under — K. S. Nelson ... 459
Asparagus bed, fertilizing ... 395
Aster Empress ... 17
Asters, fall, when to transplant ... 451
Asters, improving hardy — LeRoy Breithaupt ... 261
Auricula, Barnhaven Blue ... 485
Auriculas, succeeding with — B. J. Hayward ... 457
Azalea, Exbury, George Reynolds ... 342
Azaleas & rhododendrons, should they be cultivated? ... 194
Azaleas for the colder zones — J. H. Hanley ... 422
Azalea, symbols of Winterthur — Cedric Larson ... 220

B

Bachelor buttons, extra early ... 17
Bean, snap, Greencrop ... 31
Beauty bush ... 313
Bedstraw, lady's ... 595
Berrall, Julia, interview with — Dorothy Waugh ... 601
Begonia Christmas Candle ... 42
Bible plants — D. J. F. ... 586
Billbergia leptopoda ... 553
Blood-lily, curious — J. G. Bacher ... 292
Blueberries, plant now — R. G. Hill, Jr. ... 456
Blueberries, succeeding with — H. S. Pearson ... 498
Blueberry Ivanhoe ... 456
BOOK REVIEWS:
All About the Flowering World — F. C. Lane ... 440
American Gardeners Book of Bulbs — T. H. Everett ... 612
American Occupations, No. 11, The Tree Expert — F. A. Bartlett ... 400
American Rose Annual for 1957 — Am. Rose Soc. ... 400
Annuals from Seed — R. Genders ... 252
Arranging African Violets — E. Struebing ... 12
Background to Gardening — W. O. James ... 568
Be Your Own Nurseryman — Robert Scharff ... 583
Bermuda Garden, The — Ed. by Christine M. Whitney ... 12
Beneath the Greenhouse Roof — C. H. Potter ... 551
Botany, An Introduction to Plant Science — W. W. Robbins, T. Eliot Weier & C. R. Stocking ... 252
Botany for Gardeners — Harold W. Rickett ... 441
Bulb Growing for Everyone — J. F. Ch. Dix ... 568
Carnations for Everyman — M. C. Allwood ... 304
Christmas Idea Book — D. Biddle & D. Blom ... 612
Chrysanthemums in Pictures — John Woolman ... 399
Climbing Plants for Your Garden — D. Bartrum ... 252
Color Chart for Gardeners — D. Nickerson ... 521
Complete Book of Chrysanthemums — C. Ackerson ... 551
Complete Book of Roses, The — D. H. Jenkins ... 304
Complete Guide to Gardening, A — Montague Free ... 397
Containers & Accessories, How to Make — J. B. Amber & A.L. Gray 359
Cultivation of Succulents — H. Jacobsen ... 440
Daffodil and Tulip Yearbook — Royal Horticultural Society ... 68
Decorating with Pods & Cones — E. Van Rensselaer ... 612
Disease of Fruit Crops — H. W. Anderson ... 304
English Gardens Open to the Public — A. G. L. Hellyer ... 495
Evergreens & Flowering Shrubs for Your Home — Katherine M.-P. Cloud ... 568
Exotic Plants of World — A. J. Hurley 612
Flower Arrangement — C. Hewitt ... 252
Flower Growing in the North — Geo. E. Luxton ... 13
Flower Lore — Abby Milton ... 119
Flower Show Themes — Dorothy Biddle ... 12
Flowering Trees & Shrubs — S. B. Whitehead ... 252
Flowers & Their Histories — Alice M. Coats ... 439
Fundamentals of Horticulture — J. B. Edmond, A. M. Musser & F. S. Andrews ... 305
Gardening in a Small Greenhouse — M. Noble & J. Merkel ... 612
Gardening Indoors Under Lights — F. H. & J. L. Kranz ... 252
Gardening, New World for Children — Sally Wright ... 440; 612
Gardening on a Shoestring — H. L. V. Fletcher ... 400
Geraniums — Pelargoniums for Windows & Gardens — Helen V. P. Wilson ... 192
Gladiolus Today, The — H. G. Witham Fogg ... 397
Ground Cover Plants — D. Wyman 612
Growing Flowers — John Tobe ... 68
Handbook for Vegetable Growers — J. E. Knott ... 252
Handbook on Broad-leaved Evergreens — Brooklyn Botanic Garden ... 68
Handbook of Hollies — American Horticultural Society, Inc. ... 568
Hedges, Their Planting & Care — R. Genders ... 252
In Ponds & Streams — M. W. Buck 441
Indoor Plants & How to Grow Them — B. A. Bertrand ... 441
Insect Pests of Farm, Garden & Orchard — L. M. Peairs & R. H. Davidson ... 441
John Muir, Protector of the Wilds — Madge Haines & Leslie Morrell ... 400
Leader's Guide to Nature & Garden Fun — E. S. Coffey & D. F. Minton 552
Light, Vegetation & Chlorophyl — J. Terrien, G. Truffaut & J. Carles 397
Lily Year Book — Royal Horticultural Society ... 70
Little Bulbs, The — A Tale of Two Gardens — Elizabeth Lawrence ... 568
Modern Tropical Garden, The — Loraine E. Kuck & Richard C. Tongg ... 13
Mountain Flowers — J. Raven & M. Walters ... 252
Mushroom Growing Today — F. C. Atkins ... 13, 304
Native Plants for California Gardens — L. W. Lenz ... 252
New England Vegetable Garden, The — Samuel Ogden ... 495
Old Shrub Roses, The — G. S. Thomas ... 304, 305
One Gardener to Another — Thelma B. Boucher ... 399
Ornamental Trees — Evelyn Maino & Francis Howard ... 119
Pioneers in Gardening — Miles Hadfield ... 552
Plant Doctoring Is Fun — Cynthia Westcott ... 568
Plant Patents, 1 through 1542 — American Assn. of Nurserymen ... 552
Plant Pathology — John Charles Walker ... 399
Plant Propagation — J. P. Mahlstede & E. S. Haber ... 305
Plant Propagation & Garden Practice — R. C. M. Wright ... 12
Plant Propagation in Pictures — Montague Free ... 552
Reading the Landscape — May T. Watts ... 440
Rhododendron & Camellia Yearbook — Royal Horticultural Soc. ... 304
River of Life, The — R. Platt ... 305
Rocks, The Living — Preface by Andre Maurois ... 552
Roses for Pleasure — R. Thomson & H. Van Pelt Wilson ... 612
Seven Keys to Distinction in Flower Arrangement — Anita Stelle ... 359
Snowdrops & Snowflakes — F. C. Stern ... 304
Soil-Plant Relationships — C. A. Black ... 552
Soil Sterilization — W. J. C. Lawrence ... 12
Succulent Plants — H. Jacobsen ... 399
Taylor's Garden Guide — Norman Taylor ... 397
Tree Care — John M. Haller ... 440
Tropical Plants & Their Cultivation — L. Bruggeman ... 568
Using Wayside Plants — Nelson Coon ... 359
Vegetable Crops — H. C. Thompson & Wm. C. Kelly ... 440
We Made a Garden — Margery Fish 119
Window-Box Gardening — Henry Teuscher ... 192
Books, Potpourri of new — Dorothy Manks ... 602
Bouquets in grand style, interview with Louise B. Fisher ... 579
Bromeliads, ultramodern — M. Noble & J. Merkel ... 553
Browallia, for early bloom ... 303
Bugle ... 461
Bulbs, flowering, for more color ... 130
Bulbs for the spring garden (Daffodils, hyacinths, narcissi, tulips) ... 510
Bulbs you can grow indoors ... 562
Butterfly-weed ... 497

C

Cacti & succulents for your windows — H. I. McArdle ... 576
Cacti & succulents, grow — H. I. McArdle ... 619
Cactus, Christmas, why buds drop ... 593
Caladium, miniature — E. McDonald ... 69
Caladiums for summer gardens ... 127
Calluna vulgaris ... 126
Camellia Cinderella ... 52
Camellia, seed pods ... 445
Camellias are hardier than you think — F. R. Van Gilder ... 445
Cannas, when to start ... 120
Cereus, night-blooming ... 531
Chelsea, Old Physic Garden ... 104
Christmas Decorations ... 604
Christmas gift plant care — C. L. Thayer ... 620
Christmas roses, time to plant ... 451
Christmas, Three ideas — Dorothy Waugh ... 616
Chrysanthemum Golden Fantasy ... 231
Chrysanthemum Redpoll ... 230
Chrysanthemum Stylish ... 232
Chrysanthemum Sun Dance ... 231
Chrysanthemum Teal ... 230
Chrysanthemum time, plan now for ... 203
Chrysanthemums, cut back stalks ... 595
Chrysanthemums, hardy — J. S. Gallagher ... 514
Chrysanthemums, how to grow healthier ... 386
Chrysanthemums, saluting the new — M. C. Seckman ... 202
Clematis, drape your garden with — H. R. Dunlap ... 199
Clematis montana rubens ... 421
Clematis Nellie Moser ... 199
Clematis The President ... 421
Clematis Ville de Lyon ... 199
CLUBS AND SOCIETIES:
American Daffodil Soc., meeting & show ... 124, 235
American Hemerocallis Soc., convention ... 346
Daylily show ... 385
officers ... 103
American Horticultural Congress at Denver ... 537
American Horticultural Council highlights ... 110
American Horticultural Council Awards ... 615
American Iris Soc. Officers ... 614
American Poinsettia Soc., Meeting 614
American Rose Soc., awards & convention ... 50, 471
American Rose Soc., district meetings 309
Arbor Day Assoc., meeting ... 235
Bourne, Mrs. Earle H., Pres. Garden Club Federation of Mass. ... 291
California Horticultural Soc., awards 291
California, Inglewood, International show ... 182
California, LaCanada, Descanso Camellia show ... 102
California, Oakland, Spring Home & Garden show ... 182
Canada, Toronto, Canadian Rose show ... 309
Coming events ... 51, 103, 175, 233, 287, 347, 385, 425, 473, 539, 585, 629
Connecticut, Greenwich, Daffodil show ... 235
Connecticut, Horticultural Soc., Spring flower show ... 287
Connecticut, Storrs, Home Gardeners' Day at College of Agriculture. 171
Delaware, Winterthur, Azalea gardens & museum open to public ... 234
D. C., Washington, Christmas Greens Exhibition, Nat'l Capital Garden Club ... 582
D. C., Washington, Potomoc Chrysanthemum Soc Show ... 536
European Garden Tours ... 175
Films, Garden ... 615
Florida, Miami, Garden of America, Watson Island ... 384
Florida, Miami, Metropolitan Flower Show ... 182
Garden Club Federation of Massachusetts ... 291
Garden Club of America, men's, officers ... 486
Hawaii, Honolulu, World Orchid Conference ... 424
Herb Society of America, meeting ... 51
Illinois, Chicago, Horticultural Soc., lecture ... 347
Illinois, Chicago, Spring Show of Garden Club ... 182
Illinois, Garden Club of, flower arrangement symposium ... 102
Illinois, Rose Shows, list ... 308
Indiana, Rose Shows, list ... 308
Iris Society awards, popularity poll ... 583
Kansas, Wyandotte County Rose Show ... 308
Longwood Gardens, E. L. Miller appointed horticulturist ... 233
Maine, Camden, House & Garden tour ... 384
Maryland, Bethesda, Landon School for Boys, Azalea garden open ... 234
Massachusetts Horticultural Soc. awards ... 34
Garden Certificate to Arlington Town Hall grounds
Garden Certificate to Dean's Garden, Harvard Business School
Bronze Medal to Dr. & Mrs. Samuel Kirkwood, Winchester
Bronze Medal to Mrs. M. C. Whitcomb, Winchester
Silver Medal to Dr. & Mrs. Robert D. Evans, Belmont
Silver Medal to Mr. & Mrs. Wm. Robertson, Wellesley Hills
Silver Medal to Northeastern Univ., Boston
Gold Medal to Mr. & Mrs. James Lawrence, Brookline
Gold Medal to Pitirim Sorokin, Winchester
Awards ... 103
Burrage Porch Prize
Awards ... 214
George Robert White Medal of Honor to Royal Horticultural Soc.
Thomas Roland Medal to Jacques Legendre
Gold Medal to Charles H. Perkins
Gold Medal to Dr. R. E. Kleinsorge
Silver Medal to W. Ray Hastings
Albert C. Burrage Gold Vase to Cape Cod Branch, National Assoc. of Gardeners
Massachusetts Horticultural Soc., dues ... 537, 564
Flower Arrangement School. 224, 472
Flower shows ... 51, 182, 235, 290, 347, 425, 470, 536
Gardening classes for amateurs ... 10, 175, 537
Lecture by Dr. John L. Creech ... 583
Lecture by Mrs. Reginald Rugg-les-Gates ... 583
Lecture series ... 175, 235, 615
Officers elected ... 385
Massachusetts Horticultural Soc., Plant Buyer's Guide, revision ... 51
Massachusetts, Dedham, "Sandy Valley" Daffodil planting open ... 235
Massachusetts Garden Club Federation, awards ... 470
Massachusetts, Marblehead, floral art show ... 385
Massachusetts, Springfield, flower show at Eastern States Exposition grounds ... 125
Massachusetts, Worcester County Horticultural Soc., flower show ... 125
Mattoon, H. G. ... 51
Michigan, Detroit, Flower & Home show ... 182
Michigan Horticultural Soc. — R. M. Place ... 294
Michigan Horticultural Soc., annual meeting & awards ... 425
Michigan Horticultural Soc., quarters in Old City Hall ... 481
Michigan, rose show list ... 308
Miller, Everitt L., appointed Horticulturist, Longwood Gardens ... 233
Mississippi, Natchez pilgrimage ... 103
Missouri, Midland Empire Rosarians ... 308
National Council of State Garden Clubs, convention & tour ... 176
Nebraska, Lincoln, Cornhuskers Rose Soc. ... 308
Nehrling, Arno H., honored ... 425
New England Gladiolus Soc., exhibition ... 425
New England Wild Flower Preservation Soc., courses ... 151, 615
New Jersey, Newark, Annual Rose Tournament ... 103
New York Botanical Garden, new plantings ... 389
New York Botanical Garden, Rose Day ... 347
New York State, Federated Garden Club of ... Course ... 536; Garden tour ... 218; School of Landscape Design ... 174
New York, International Flower Show ... 182; awards to J. W. Johnston & Betty Blossom ... 583
New York, Newark, Rose Festival, Jackson & Perkins ... 347
New York, Rochester, flower show school ... 291
New York, rose shows, list ... 308
North American Lily Soc., show & convention ... 385, 471
North Carolina, Asheville, Biltmore Rose Garden ... 103
Ohio Association of Garden Clubs ... 481
Ohio, Cleveland, home & flower show ... 125
Ohio, Columbus, garden & outdoor living display ... 125
Ohio, Mansfield, Daffodil & Tulip show ... 235
Ohio, Rose shows, list ... 308
Ohio, Toledo, Northwest Ohio Garden & Flower show ... 182
Orchid conference, World ... 424
Oregon, rose show list ... 308
Pennsylvania, Garden Club Federation of, flower show school ... 481
Pennsylvania Horticultural Soc., awards ... 50, 290, 346, 347
Garden visits ... 290; Horticultural services ... 424; Lectures ... 50, 424, 536; Library ... 50, 346, 384 424, 480; Officers ... 102; Seed catalogues ... 50
Pennsylvania, Philadelphia, flower shows ... 102, 174, 182, 424, 480, 536
Pennsylvania, rose shows, list ... 308
Pennsylvania, West Grove, Red Rose Rent Day ... 583
Scotland, tour of gardens ... 615
Scott, Arthur Hoyt, award to Arno H. Nehrling ... 425
Tennessee, Nashville Rose Soc. show 308
Texas, Dallas Garden Center, new director, L. G. McLean ... 480
Texas, home & garden pilgrimage to Mexico ... 537
Texas, San Antonio Garden Center, flower show ... 182
Thayer, Prof. Clark L., retires ... 537
Utah, Salt Lake City, Rose Soc. show ... 308
Vaughan's Seed Store moves ... 51
Virginia, Garden Club of, Daffodil show, 234; Lily Show ... 346

Virginia, Historic Garden Week....232
Virginia, Norton, Wise County Rose Soc. show....308
Virginia, Williamsburg Garden Symposium....103
Washington, rose shows, list....309
West Virginia, rose shows, list....309
West Virginia, Shenandoah, Potomoc Garden Council, garden tour .235
Wisconsin, Milwaukee, African Violet Soc. show....290
Wolcott, Oliver, elected President of Massachusetts Horticultural Soc...385
Codonanthe crassifolia....503
Coelogyne....163
Colchicum autumnale album plenum....402
Colchicums bring us spring in autumn — H. Rohrbach....402
Coldframe or hotbed, making the most of....154
Color scheme speaks for you — M. C. Seckman....383
Color in garden with bulbs....450
Columbine, dwarf white — S. M. Meehan....10
Columbine from seed....310
Columbine, McKana — R. Gannon....253
Columnea nicaraguensis....558
Columnea tulae....502
Conway's Encyclopeidia of Flower Arrangement, review of — I. D. Nehrling....623
Corn, sweet, three rows — W. B. Killingbeck....286
Corrected key to page 37 (Jan.)....108
Corsages, how to keep fresh....303
Cosmos, orange....326
Cover, story of — Editors....603
Cowslips & lachenalias to grow indoors 451
Crab-apple, The Arnold....339
Crab-apples, how to prevent setting fruit....120
Cranberry, back yard — R. M. Carleton....428
Crocus....30
Cryptanthus fosterianus....553
Cypress Gardens, Florida's Paradise — A. McFayden....15

D

Daffodil show dates....124
Daffodils in springtime gardens — C. B. Lees....405
Daffodils need dividing....194
Daffodils, time to plant....404
Dahlias, Fall Festival....18
Daphne, mt. laurel, azaleas, dwarf pines & yews, on slope....566
Daphnes for fragrance & color — H. Meyer....137
Dates in California, fruit that outdates history — D. G. Gallimore....45
Daylilies, five months of — R. P. Merry....362
Daylily border....462
Delphiniums, how I grow — C. G. Wilson....205
Deutzia elegantissima....196
Dieffenbachias, tops root readily....451
Dogwood, Chinese....312
Dogwood, flowering....77
Dogwood fruits & foliage....312
Dogwood, when to prune....301
Dwarf fruits praised — H. Collister ...563

E

Edelweiss on craggy cliff....508
Elements, minor, are not minor — R. M. Carleton....335
Episcia cupreata Emerald Queen; Episcia dianthiflora....558
Episcias....502
Episcias, why straggly?....8
Erica cinerea alba....126
Eucharis grandiflora....122
Euonymus Emerald Leader....177
Euonymus Emerald Pride....177
Euonymus, juniper & pachysandra on slope....507
Euonymus, variegated....461
Evergreens in snow....14

F

Fall, why plant in?....442
Fern, Hart's Tongue, rare, discovered — E. E. Mann....275
Fisher, Mrs. Louise B., arranges dried bouquet....580
Flagstone terrace planting of two-season interest....201
Flower arranging at its best — I. D. Nehrling....276
Flower show gardens....255
Flower shows, 1957 Spring....8, 64, 123
Flowers, fabulous glass — E. Mason 454
Flowers, flowers everywhere....125
Flowers that bloom in the night — L. G. Heinrich....531
Foliar feeding, a new look at — J. M. Beattie....361
Forsythia Beatrix Farrand....196
Frankincense & Myrrh — Millicent Taylor....598
Fruit garden, choices for — Robert Wyman....21
Fruit garden pays dividends (apples blueberries, peaches, raspberries) 20
Fuchsia, why loses leaves when brought indoors....529

G

Garden, Are you as fit as your? —F. Kutten....266
Garden, green & white accent — F. R. Williams....460
Garden, how to have a better....223
Garden, my careless — M. M. Taylor 566
Garden, one woman's — Mary A. Roche....446

GARDEN PHOTOGRAPHS:
Adams, Mrs. Arthur....244
Ames, Mr. & Mrs. John S....260, 421
Arden, Loch Lomond....204
Arnold Arboretum....313
Arnold, Helen H....477
Bournes, Mr. & Mrs. Robert C....201
Bowman's Hill Wild Flower Preserve 97
Brooks, Myra J....297
Buttrick, Mr. & Mrs. Stedman....533
Churchill, Mrs. Lawrence....488
Crawley, Mr. & Mrs. W. J., Jr....241
Cypress Gardens, Florida....15, 54, 56
Davidson, Mrs. H. M....201
Draper, Mrs. M. C....392
Dustan, Alice L....200
Ealy, Edward F., Jr....1
Fay, Mr. & Mrs. John S....166
Fenway Rose Garden, Boston....544
Gotelli, William....57
Hayes, Mr. & Mrs. Charles....506
Hayward, Betty Jane....165, 168, 457
Howe, Dr. & Mrs. Edward....433
Jacobs, Mr. & Mrs. Oliver B....238
Janick, Jules....307
Knowlton, Mr. & Mrs. Harold W....315
Kuhlenberg, Mrs. Dorothy....93
Morse, Mrs. Prescott....352
Nicholson, Sir Harold....449
Old City Hall Clock, Detroit....481
Oregon Bulb Farm....365
Physic Garden at Chelsea, A.D. 1750....104
Porter, Mrs. A. C....93
Prout, Mr. & Mrs. T. P....201
Randall, Mr. & Mrs. Wm. A....432
Robinson, Anne T....421
Rohrbach, Heinrich....403
Ross, Mr. & Mrs. Harold S....421
Sax, Dr. Karl....369
Stanford, Mrs. Charles B....441
Taloumis, George....301
Tree Peony Soc., Japan....575
Trekell, Mr. & Mrs. Harold....401
Washington, Miss Louise....280
Westcott, Mr. & Mrs. Wm. T....200
Williamsburg, Va....103
Winterthur, Wilmington, Del....221
Garden pinks, should they be cut back? 194
Garden planning course at Y. W. C. A. 437
Garden, steps are attractive — K. Meyer....81
Garden within a year's time....200
Garden work, timely — see Now Is the Time
Gardener, ruminations of a country — C. Lisle....326
Gardeners, Golden Age, help develop arboretum — L. F. Lipp....262
Gardening courses for amateurs....10
Gardens grow from gift books....568
Gardens, winter, color in — G. Taloumis....39
Garland all in browns — Gladys G. Barstow....608
Gentiana septemfida....528
Geraniums, Lady Washington, capture spotlight — T. L. Hosmer 318
Gesneriads, growing from seed — P. Arthur....83
Gibberish, plant — R. N. Mayall....229
Gladiolus Caribbean....80
Gladiolus, cream of the — T. R. Malone....80
Gladiolus Maytime....87
Gloriosa daisy....17
Gloxinia plants, why too tall?....386
Gloxinias for your winter window garden....501
Gloxinias, why leggy....595
Gordonia....326
Goutweed, silver edge....461
Grass seed, difference in — Dr. R. W. Schery....72
Gravel culture booklet, free....13
Greenhouse, first three months in my new — H. H. Arnold....476
Greenhouse made to order — T. L. Hosmer....465
Greenhouse, poor man's — D. Wallace....250
Greenhouse, succeeding with home 23
Greenhouse to garden — C. Ackerson....142
Ground cover for shade....395
Ground limestone and hydrated lime, difference in....120

H

Hastings, W. Ray....215
Hawthorns, English, cause of browning 301
Heart's Ease for miniature bouquets....46
Heath, Irish bell....152
Heathers, consider the — J. Grossman....126
Hedge, useful plant feature of garden...134 (Beauty bush; boxwood, English; boxwood, Korean; Canadian hemlock; deutzia; dwarf Arctic willow; euonymus; Mentor barberry; privet; Vanhoutte spirea; Washington thorn; yew, Japanese.
Hedges, demonstration plot....313
Hollies, rhododendrons & other evergreens in shade....200
Horticultural Council highlights....110
Horticulturists wish to correspond 563, 583
House plants, keep happy — K. S. Taylor....518
House plants, when & how to feed — K. S. Taylor....557
Humus, more is the answer — H. Pearson....559
Hyacinth bulbs in water, poor luck with....64
Hyacinths, undeveloped buds....593
Hybridization, growing peas showed the way — J. Janick....306
Hybridizing, do it ourself — J. Janick. 263
Hydrangea, blue, when to prune....451

I

Iris breeding, fascinating-hobby — H. W. Knowlton....314
Ivy, chemical to kill poison....194

J

Japanese snowball....100
Jewels of the flower world — M. P. Haislip....30

K

Kleinsorge, Dr. Rudolph E....215
Knowlton, H. W.....330

L

Lace bugs in rhododendrons, control of .251
Ladybug, friendliest bug — M. E. Buttner....282
Lady's-slipper, yellow....391
Landscaping for contemporary living — F. W. Sellner....360
Lantana....30
Lawn, brown patches in....301
Lawn, how to build a new — Dr. R. W. Schery....407
Lawn, pennyroyal — G. B. Foster....340
Lawn, suggestions for building....143
Lawns, first aid for — R. W. Schery..208
Lawns, water for....324
Lawns, what's ahead for better — R. W. Schery....452
Lecture guide....289
Legendre, Jacques....214
Lettuce Burpeeans....31
Lewisia brachycalyx....528
Library, Project for — Pearl Frankenfield....610
Light, effects on plant growth — Dr. R. M. Carleton....172
Light up your garden — H. Berman 367
Lighting, outdoor, illustrations....366
Lilies for planting this spring — H. F. Comber....136
Lilies, hybrid for summer gardens 422
Lilies, Jamestown — J. P. Dutton...284
Lilies, madonna, leave stalks....301
Lilies, madonna, when to move....395
Lilies, new horizons for — G. L. Slate....365
Lilies, the beginner with — R. B. Crawford....423
Lilium auratum platyphyllum tricolor....156
Lily bulbs started in pots....157
Lily chart....429
Lily, madonna, plant before cold weather....451
Lime, when & best time....64
Linnaean Anniversary — F. C. Coulter....281
Longwood Gardens, visit....229

M

Mail order buying, with confidence....66
Maine, hardy plants of — R. Richards 437
Maples, do you know all? — J. Gerling....265
Marigold, Golden Pigmy....18
Marigolds, French....541
McLaren, John, superintendent of Golden Gate Park — M. A. Willett...564
Mexico, land of varied plant life — I. T. Burkett....512
Milkweed, African style — E. F. Johnston....26
Mistletoe Legends....596
Monarda Croftway Pink....106
Monstera fruits edible — E. F. Johnston....10
Morning glories, Heavenly Blue, indoors....120
Morning glories, why leaves turn brown....529
Mountain flowers, gardening with — B. J. Hayward....164
Mowers, power, make lawn care easier — R. W. Schery....256
Mushrooms and fungi....327

N

Narcissus, paper white, why flower poorly....549
Natural effect, how we achieved — D. G. Bauman....264
Neoregelia "Painted Fingernails"....554
Nerines, why failed to flower....549
NOW IS THE TIME....32, 82, 144, 210 268, 328, 371, 412, 466, 520, 569, 607
Air layering to propagate woody plants....371
Amaryllis, feed & water....144
Amaryllis, plant more....33
Annuals for hedges....268
Annuals, pull up....569
Annuals, sow outdoors....268
Annuals, sow outdoors in fall....607
Annuals, start indoors....82
Ants, check before head start....269
Beetles, beat the....328
Begonias, tuberous, start....83, 145
Biennials, cut back for more flowers..371
Birch leaf miner, spray....328
Bulbs, care of forced....32
Bulbs, dig and store....569
Bulbs for indoor bloom....520
Bulbs in storage, check....32, 145
Bulbs, start indoors....82
Bulbs, time to set out....268, 466, 520
Bulbs, unusual kinds....82
Bulbs, winter care of summer....521
Caladium bulbs, care of....520
Cannas, start indoors....145
Cataloga arrive....32
Chrysanthemums & hardy asters, care....371
Clean-up, fall....466
Clematis, prune....210
Coleus, sow seed....83
Color & fragrance in May....268
Crab grass, halt....412
Cultivate & fertilize....210
Decorate with green....33
Decorations, Christmas, start....607
Driveway, designate with posts....607
Evergreens, burlap protection for...569
Evergreens, care of....211, 521
Evergreens, shake snow from....33, 83
Evergreens, water potted....82
Evergreens, winter protection....607
Feedings, try booster....371
Foliar feeding....328
Garden chores....144, 210
Gift plants, care of....607
Gladiolus for cutting....328
Greenhouse, annuals in cool....520
Hedges, trim right....412
Hollyhocks, spray....210
House plants, care...32, 82, 144, 269, 466, 520
House plants, take cuttings....412
House plants, water carefully....33
Humidify your home....32
Iris, divide now....412
Kitchen garden....83
Lawn, care of...144, 268, 371, 412, 520
Lawn, start new....467
Light, response to....466
Lilies-of-the-valley, care....412
Lilies, plant madonna....412
Mulches....328, 371, 569
Paint garden furniture....33
Peony and iris, borer control....210
Perennials, cut back....569
Perennials, divide....210, 269, 467
Perennials, plant now....329, 371
Perennials, stake....412
Poinsettia, care of....82
Pool, planting garden....268
Prune on mild days...33, 144, 145, 210, 211, 329
Red spider, beware of....371
Roses, cover....569
Roses, prepare soil for new....144, 210
Roses, prune climbing....145
Roses, summer and fall care....328, 371, 412
Seeds to sow indoors....82, 145
Shrubs, plant now....467
Shrubs to force indoors....82
Sprays....144, 210, 269
Staking, art of....329
Strawberries, replant....412
Sweet peas, time to sow....144
Tools, clean....607
Tree, how to remove branch....8
Trees & shrubs, feed....520
Trees & shrubs, moving....329
Trees & shrubs, plant....145, 210
Trees & shrubs, water is essential...268
Uncover plants gradually....145
Vegetable garden, plow....520
Vegetable patch, set tender plants...268
Vines for screens....268
Water lilies, protect....520
Weed killer, use care....328
Winter covers....569

O

Orchid, Bletia hyacinthina....162
Orchid, Cypripedium or lady's slipper....162, 327
Orchids, adventures in growing — T. A. Fennell....535
Orchids for sunny windows....534
Orchids, kinds for beginner....593
Orchids, make feel at home —C. L. Withner....128
Ornamentals, tips on feeding —R. E. Newell....267
Out-door living area — K. M-P. Cloud....430

P

Pansies, succeeding with — F. A. Cochran....325
Pansy Masquerade....17
Pasque flowers, hardy — J. A. Miettunen....122
Peonies for permanence — G. Taloumis....532
Peonies, time to move....303
Peonies, time to plant....533
Peonies, tree, in Japan — M. Littmann....504
Peony plants, why buds dry up....451
Peperomia sandersi....575
Perennial garden, planning....209
Perennials for easier gardening — Mary Evans....462
Perennials worth considering — R. W. Cumming....78
Perkins, Charles H.....214
Pest control in the home garden — W. D. Whitcomb....207
Petunia Blue Lace....18
Petunia Glitter....16
Petunia Red Satin....17
Petunias for everybody's garden — F. A. Cochran....410
Petunias in window boxes, why late blooming....566
Phlox Drummondi Giant Tetra....17
Phlox in perennial border....463
Phlox, summer-flowering....78
Phlox Twinkle....16
Pineapple mint....461
Plant inspection station....418
Plantain lily....461
Plants for child's room — E. D. Carroll....522
Plants from the tropics to our homes — A B. Graf....36
Plants, potted, for picturesque effects....380
Plants to start for winter bloom....451
Plants under fluorescent lights, increasing — C. W. Gourget....516
Plants, unusual, offer challenge — L. F. Bachrach....341
Plants, use of climbing....420
Plants, using with a purpose — A. L. Dustan....200
Plums for fruit garden — G. L. Slate....401
Poinsettia, proper care to keep growing....8
Poinsettia — Christmas flower — Carla Kee....597
Pool, swimming....329
Poppies, Oriental....326

Poppy, California — J. P. Dutton....469
Privet, Suwannee River.....196
Pruning trees & shrubs.....88

R

Radish, Champion.....31
Raspberries are worth the effort — H. S. Pearson.....79
Raspberries, red, pruning.....395
Rest-harrows — C. W. Wood.....467
Rhododendron, catawbiense hybrid.....331
Rhododendron, Dexter hybrid.....331
Rhododendron hybrid, how good is? — C. G. Bowers.....317
Rose, Ardelle.....92
Rose arrangement of yellow floribunda.....311
Rose, Audie Murphy.....95
Rose, Austrian Copper.....159
Rose, Betty Prior.....22
Rose, Circus.....22
Rose, common moss.....158
Rose, Father Hugo's.....129
Rose, Fruehling's Gold.....350
Rose, Fusilier.....311
Rose, June Bride.....95
Rose, Midnight.....92
Rose, Paul Neyron.....159
Rose, climbing when to prune.....595
Rose pests, keep on run — R. Thomson & H. Van P. Wilson.....332, 370
Rose, Pink Lustre.....92
Rose, Safrano.....158
Rose show time.....308
Rose, Sumatra.....95
Rose, Vanguard.....350
Rose, White Bouquet.....22, 95
Rose, White Knight.....311
Roselle, flavorsome as preserve or jelly — J. P. Griffith.....563
Roses, All-America, for 1958.....311
Roses, climbing, in Italy — Countess Senni.....10
Roses, floribunda, tea & tree.....509
Roses, foliar feeding & antibiotics for — G. E. Lippincott.....321
Roses for dooryard gardens — E. S. Henderson.....319
Roses for 1957 — F. H. Franks.....92
Roses, highlight your garden with.....93
Roses, in quest of old — K. M. Simpson.....158
Roses, now is time to plant.....509
Roses, parade of floribundas — F. A. Cochran.....22
Roses, rugosa hybrids.....319
Roses, shrub, you can't best — R. E. Shepherd.....129
Roses, why not live with — Dr. Fred J. Nisbet.....167
Russell Gardens' white with Sass Bros. Maple Road Gardens.....33

S

Seeds, how to start — E. F. Downey.226
Service area made beautiful by shrubs.....201
Shop for your garden....6, 62, 118, 190, 246, 303, 358, 398, 438, 494, 550 594
Shrubs & trees, whence came — Dr. D. Wyman.....312
Shrubs, aristocrats of flowering — Dr. C. G. Bowers.....71
Shrubs, colorful, for summer gardens — A. V. Holmes.....373
Shrubs, low-growing, fill the bill....74
Shrubs, new worthwhile.....196
Shrubs, summer-flowering.....303
Sissinghurst Gardens in Kent — J. B. Brimer.....448
Slate, George L......372
Slope-planting problem — Dr. A. T. Viertel.....506, 560
Slugs in perennials, control.....251
Snake plant blossoms — C. Ferry.....309
Soil, how to find suitable.....64
Species, how good is a? — C. G. Bowers.....258
Spray, time to apply dormant oil on trees.....64
Sprinkler systems save time.....29
Squash, Black Beauty, bush.....31
Steps, field stone for informal garden effect.....99
Strawberries, right way to start — W. H. Lachman.....411
Streptocarpus or grape-primrose..83
Summer brown-out — R. M. Carleton.368
Sweet pea, Coquette.....18
Sweet potato to grow in water.....549
Sycamore, fast-growing, for shade.201

T

Terrace with espaliered magnolias.201
Terrarium, plants for.....8
Tomato, Homestead.....31
Tools, new — R. Wyman.....138
Tour of gardens, historic — H. Sowerby.....104
Tree, arborvitae, Hetz Midget.....106
Tree, birch, bark of white.....41
Tree, birch, why leaves fell off.....194
Tree, elm, Augustine.....408
Tree, gray birch is my choice — M. H. Gage.....465
Tree, honey-locust.....408
Tree, maple as street.....409
Tree, maple, Crimson King.....408
Tree, outstanding street — H. H. Fisher.....33
Tree, pin oak for autumn color.....409
Tree, pine, lace bark.....41
Tree, pine, why needles turn brown...386
Tree, sourwood flowers in summer.101
Tree that outsmarts deer — Wm. Gilman.....198
Trees & shrubs in drought — F. Lape.....513
Trees & shrubs to plant.....216
Trees, choose with a purpose.....408
Trees, dwarfing fruit — Wm. Gilman.....369
Trees, small, for today's gardens — Dr. D. Wyman.....77
Trees that make cones — C. J. Hylander.....24
(Black spruce, blue spruce, Carolina hemlock, red spruce, white fir, white spruce, wooly larch)
Trillium, snow.....496
Trillium, Wake robin.....327
Trilliums & May apple.....96
Tulip bulbs not planted in the fall....8
Tulip planting time.....458

V

Vegetable varieties, new.....31
Vegetables, beginner with — Paul Work.....140
Vegetables from home gardens tastier — M. C. Seckman.....27
Vegetables, try choice varieties — F. C. Coulter.....206
Vines, spectacular flowering — G. Taloumis.....133
Viola tricolor.....325

W

Walks, garden, make your own — R. N. Mayall.....28
Wall garden with unusual plants..168
Water lilies, when to plant.....251
Water the easy way.....320
What's astir in Hoboken? — H. G. Mattoon.....418
Wild flower & bulb garden in City..238
Wildflower preserve, Bowman's Hill — H. G. Mattoon.....96
Wild flowers the easy way — K. Meyer.....496
Wilts attacking your plants, remedy — F. W. Meyer.....139
Window boxes, petunias, why late blooming.....566
Window boxes, spring bulbs in.....529
Winter — tuck garden to bed — G. T.....606
Wisteria, Chinese.....421

Y

Yearbook contest, Garden Club 146, 212, 524
Yews, prune correctly — R. E. Newell.486

Z

Zephyranthes stamasco.....28

AUTHOR INDEX

A

Ackerson, Cornelius (Greenhouse to garden).....142
Arnold, Helen H. (New greenhouse)..476
Arnold, Paul (Trailing relatives of African violets).....502, 558
Arthur, Pearl (Gesneriads).....83

B

Bacher, J. G. (Blood lily).....292
Bachrach, Louis Fabyan (Unusual plants).....341
Barstow, Gladys G. (Garland in browns).....608
Bauman, Dina G. (Landscaping a woodland lot).....264
Beattie, James M. (Foliar feeding)....361
Berman, Harvey (Garden lighting)...367
Bowers, Dr. Clement G. (Flowering shrubs)....71; (Hybrids, how good?)....317; (Rhododendrons).....258
Breithaupt, LeRoy (Asters).....261
Brimer, John (Sissinghurst Gardens)..448
Brown, J. W. F. (Exchange of ideas)..563
Burkett, Inez Turner (Mexico, plant life).....512
Burrage, Albert C. (Porch award)....103
Buttner, Marguerite E. (Ladybug)...282

C

Carleton, Dr. R. Milton (Backyard cranberry)...428; (Effects of light on plant growth)...172; (Minor elements)...335; Summer brown-out..368
Carroll, Elizabeth D. (Plants for child's room).....522
Carter, William B. (African violets)..479
Cloud, Katherine M-P. (Outdoor living area).....430
Cochran, Fred A. (Floribunda roses)....22; (Pansies)...325; Petunias)..410
Collister, Harrison (Dwarf fruit planning).....563
Comber, H. F. (Lilies).....136
Cooper, Alex (Exchange of ideas).....583
Coryell, John and Dorotha (Miniature African violets).....141
Coulter, Francis C. (Flower history)....439; Linnaean anniversary)....281; (Vegetables).....206
Crawford, Raymond B. (Lilies).....423
Cumming, Roderick W. (Perennials)..78

D

Downey, Earl F. (Starting seeds).....226
Dunlap, Hazel P. (Clematis).....199
Dustan, Alice L. (Landscaping).....200
Dutton, Joan Parry (California poppy)....469; (Jamestown lilies).....284

E

Evans, Mary (Dependable perennials).462

F

Fennell, T. A., Jr. (Orchid growing)..535
Ferry, Christine (Snake plant).....309
Fisher H. H. (Street tree).....33
Foley, D. J. (Fig Tree).....586
Foster, Gertrude B. (Pennyroyal lawn).340
Frankenfield, Pearl (Project for Library).....610
Franks, Foster H. (New roses).....92

G

Gage, Marvin H. (Euonymus)...177; (Gray birch).....465
Gallagher, John S. (Chrysanthemums).515
Gallimore, David G. (Dates).....45
Gannon, Ruth (Columbines).....253
Gerling, Jacob (Maples).....265
Gilman, William (Dwarfing fruit trees)....369; (Tree that outsmarts deer).198
Gouget, Charles W. (Plants under fluorescent lights).....516
Graf, Alfred B. (Tropical plants for homes).....36
Griffith, J. Paul (Roselle).....563
Grossman Jeannette (Heathers).....126

H

Haislip, Martha Pratt (Flower jewels)..30
Hanley, John H. (Azaleas for colder zones).....322
Hayward, Betty Jane (Auriculas)....457; (Mountain flowers).....164
Heinrich, Lawrence G. (Night-blooming cereus).....531
Henderson, E. S. (Roses).....319
Hill, Robert G., Jr. (Blueberries).....456
Holmes, Alvhild V. (Shrubs for summer gardens).....373
Hosmer, Thomas L. (Lady Washington geraniums)...318; (Greenhouse)...464
Hylander, Clarence J. (Cone-bearing trees).....24

J

Janick, Jules (Growing peas)...306; (Hybridizing).....263
Johnston, Edith F. (Milkweed)...26; (Monstera fruits).....10

K

Kee, Carla (Poinsettia).....597
Killingbeck, W. B. (Sweet corn).....286
Klaber, Doretta (Alpines).....508
Knowlton, Harold W. (Iris breeding)..314
Kutten, Felicia (Gardening exercises)..266

L

Lachman, W. H. (Strawberries).....411
Lape, Fred (Care of trees and shrubs in drought).....513
Larson, Cedric (Azaleas).....220
Lees, Carlton B. (Daffodils).....405
Lipp, Lewis F. (Golden age gardeners).262
Lippincott, George E. (Roses, foliar feeding).....321
Lisle, Clifton (Country gardener).....326
Littmann, Minna (Tree peonies).....504
Lownes, Barbara S. (Amazon-lily)....122

M

Manks, Dorothy (New garden books)..602
Manley, Thomas R. (Gladiolus).....80
Mann, Ethel E. (Rare fern).....275
Mason, Estelle (Glass flowers).....454
Mattoon, H. Gleason (Plant quarantine headquarters)...418; (Wildflower preserve).....96
Mayall, R. Newton (Garden walks)...28; (Plant gibberish).....229
McArdle, Helen I. (Cacti and succulents).....576, 619
McDonald, Elvin (Miniature caladium) 69
McFayden, A. (Florida's Cypress Gardens).....15
Meehan, S. Mendelsohn (White Columbine).....10
Merkel, Jean, and Mary Noble (Bromeliads).....553
Merry, Ruth P. (Daylilies).....362
Meyer, Frances W. (Wilts).....139
Meyer Kenneth (Daphnes)...137; (Garden steps)...81; (Wildflowers)..496
Miettunen, Jean Abbott (Pasque flower).....122
Moran, Reid (Christmas cactus).....349

N

Nehrling, Arno H. (Price of Horticulture).....29
Nehrling, Irene D. (Flower arranging) 276
Nelson, Kennard S. (Gardening under light).....459
Newell, R. E. (Feeding ornamentals)....267; (Pruning yews).....486
Newhoff, Bertha (Hardy amaryllis)..409
Nisbet, Dr. Fred J. (Roses).....167
Noble, Mary and Jean Merkel (Bromeliads).....553

P

Pearson, Haydn S. (Blueberries)....498; (Raspberries)...79; (Humus)..559
Place, Ruth Mosher (Mich. Hort. Soc. Anniv.).....294

R

Richards, Rosalind (Plants for Maine)..437
Roche, Mary Alice (One woman's garden).....446
Rohrbach, Heinrich (Colchicums).....402

S

Schery, Dr. Robert W. (Grass seed)....72; (Lawns)...208, 407, 452; (Power mowers).....256
Seckman, Mary C. (New chrysanthemums)..202; (Color Scheme)....383; (Vegetables).....27
Sellner, Frank W. (Landscaping).....360
Senni, Countess Mary (Roses in Italy)..10
Shepherd, Roy E. (Shrub roses).....129
Simpson, Kitty M. (Old roses).....158
Slate, George L. (Lilies)...365; (Plums).....401
Sowerby, Henry (Garden tours).....104
Stetson, Sarah P. (Annuals for windowsill).....541

T

Taloumis, George (Annuals for shade)....279; (Peonies for permanence)....532; (Vines)...133; (Winter color)...39
Taylor, Kathryn S. (House plants)...518; (Feeding house plants).....557
Taylor, Mark M. (Careless garden)...566
Taylor, Millicent (Frankincense and myrrh).....598
Thayer, Clark L. (Christmas gift plants).....620
Thomson, Richard and Helen Van Pelt Wilson (Rose pests).....332, 370

V

Van Gilder, Frances R. (Camellias)...445
Viertel, Dr. Arthur T. (Slope planting).....506, 560

W

Wallace, Dorothy (Cabinet greenhouse)250
Waugh, Dorothy (Ideas for Christmas)....616; (Christmas means many things).....601
Whitcomb, W. D. (Pest control).....207
Willett, Minnie A. (Story of John McLaren).....564
Williams, Frances R. (Green and white gardens).....460
Wilson, Carl Grant (Delphiniums)....205
Wilson, Helen Van Pelt and Richard Thomson (Rose pests).....332, 370
Withner, Carl L. (Orchids).....128
Wolcott, Oliver (Garden awards)....34
Wood, C. W. (Rest-harrows).....467
Work, Paul (Vegetables).....140
Wyman, Dr. Donald (Shrubs and trees, whence came?)...312; (Small trees) 77
Wyman, Robert (Fruit garden)...21; (Tools).....138

Index to Color Illustrations

A

Aeschynanthus pulcher....500
African violets....478
Annuals, back yard garden of — Flowering tobacco; petunias; verbenas; nemesias....19
Annual border, garden of Edw. F. Ealy, Jr....1
Annuals, border of — marigolds; zinnias; dwarf phlox....278
Apples, McIntosh....20
Asters and chrysanthemums in garden of Mr. and Mrs. John S. Ames....260
Asters — Bonnie Blue and Persian Rose; Pink Alpine; Snowball....260
Azalea, flame....351
Azalea garden of Wm. Gotelli....57
Azalea Hinodegiri in woodland setting....221
Azaleas at Winterthur....221

B

Barberry, Japanese....38
Begonias, Christmas....621
Begonias, tuberous....131; 353
Blueberries, Rubel....20
Border, early Summer — delphiniums; sweet william; pansies; sweet alyssum; in garden of Mrs. Prescott Morse....352
Border of annuals and perennials — Ageratum; astilbe; begonias; Campanula lactiflora; delphinium; fuchsia; geraniums; heliotropes; nicotiana; phlox; salpiglossis; shasta daisy; snapdragons; stocks; violas; zinnias....382
Bouquet, grand style....578
Bulbs, Dutch....443
Bulbs, Spring-flowering — Hyacinths, Crocuses, Glory-of-the-snow....112

C

Cacti and succulents for your window....577
Top shelf — Echeveria pulvinata; Gasteria maculata; Kalanchoe fedtschenkoi; Kleinia mandraliscae; Opuntia grandiflora; Peperomia obtusifolia variegata; Stenocactus robustus.
Second shelf — Echinopsis calochlora; Haworthia truncata; Kalanchoe blossfeldiana; Mammillaria elongata; Opuntia microdasys elongata; O. santarita; O. rufida; O. serpentina cristata; O. "vilis"; Stapelia huernia; Theocactus longipes.
Third shelf — Aloe variegata; Astrophytum myriostigma; Echinopsis leucorhodantha; Faucaria tigrina superba; Ferocactus melocactiformis; Gymnocalycium freidericki; G. Venturianum; Kalanchoe blossfeldiana; Mammillaria crassula teres; M. parkinsoni; M. plumosa; Opuntia erinacea forma ursina; O. microdasys; O. tephracactus glomeratus; Osmanthus illicifolius; Puya alpestris.
Bottom shelf — Cephalocereus; Cereus species; Crassula lactea; Echinocactus sp.; Euphorbia hermentiana; Gymnocalycium schickendantzi; Haworthia fasciata; Mailhuenia; Mammillaria milticeps; M. perbella; M. pygmaea; M. zeilmanniana; Opuntia teres boliviana; Sanseveiria hyb.; Trichocereus.
Floor — Crassula argentea.

Caladiums....131
Camellia Buddha....444
Camellia Cinderella....444
Caryopteris Heavenly Blue....75
Cercis canadensis....76
Christmas decorations....588
Christmas, Della Robbia arrangement....600
Chrysanthemum garden of Dr. and Mrs. Edward Howe....433
Chrysanthemums and crabapple fruits....222
Chrysanthemums, Baltimore Oriole; Cocheco; Cockatoo; Fred Rockwell; Fred Stone; Giant Kingbird; Granite Promise; Kingfisher; Macaw; Major Cushion; Mischief; Olive Longland; Polar Ice; Pomponette; Robin; Ruffled Grouse; Sunburst; Virginia Rail; White Cloud; Yellow Spoon....203
Clematis montana rubens....421
Clematis seedling....132
Clematis The President....421
Colchicum bornmuelleri....403
Cornus florida rubra....76
Cornus stolonifera....38
Cypress Gardens....56
Cypripedium pubescens....391

D

Daffodils, garden of Mrs. C. B. Stanford....404
Daylilies — Pink Prelude; Potentate; The Doctor; Windsor Tan....363
Delphiniums, white; with lupines and verbascums....204

E

Euonymus alatus compactus (dwarf winged)....75
Evergreens in snow....599

F

Fig and pomegranate....587
Flower arrangement, dried....578
Flower arrangement of daylilies....277
Flower arrangement, Madonna....622
Flower stall....184
Fruits for home garden — apples, blueberries, peaches, raspberries....20

G

Garden, Autumn; chrysanthemums and crab apple....222
Garden, early Summer; delphiniums; pansies, roses; sweet alyssum; sweet william....352
Garden, Spring dooryard; flowering dogwood and tulips....241
Garden at seaside, of Mrs. M. C. Draper....392
Garden of George Taloumis....381
Garden of Mr. and Mrs. W. A. Randall....432
Gloriosa lily....131
Gloxinias, Emperor William; George Luxton; Kiss of Fire; Mont Blanc; Star Dust....500
Greenhouses — Helen H. Arnold; Mr. and Mrs. Harold Trekell....477

H

Harvest time....588
House plants, collection of Mr. and Mrs. George Greenlaw — Anthurium crystallinum; Begonia Corallina de Lucerna, B. rex Glory of St. Albans, B. rex Princess Margaret and B. Skeezar; Croton; Cryptanthus zonatus zebrinus; Dieffenbachia picta Rudolph Roehrs; Dracaena deremensis longi; Fittonia verschaffelti and F. verschaffelti pearci; Geogenanthus undatus; Monstera friedrichsthali; Philodendron hastatum variegatum....37
House plants in a sunny window; African violet; begonias; coleus; geranium; gloxinia....545
House plant collection....556
Upper left group — Dieffenbachia picta Rudolph Roehrs; Dracaena deremensis warnecki; Schefflera actinophylla.
Upper right group — Calathea maclennna; C. ornata rosea-lineata; Coleus varieties; Cryptanthus zonatus zebrinus; Dichorisandra albomarginata; D. warsawiczi Dieffenbachia picta bausei; Dieffenbachia hoffmani; Dracaena deremensis longi; Peperomia tithymaloides; Spathiphyllum kochi; Spathiphyllum multiflorum; Syngonium albolinatum.
Lower group — Begonia Emily Clibran; B. It; B. Preussen; Fittonia verschaffelti pearcei; Hoya varieties; Ligularia kaempferi argentea; L. kaempferi aureo-maculata; Peristrophe angustifolia aureovariegata; Polyscias guilfoylei; Saintpaulia grotei; Slipper gloxinia; Smithiantha (Naegelia) zebrina.

I

Iris, garden of H. W. Knowlton....315

K

Kohleria hirsutum....500

L

Laburnum watereri....76
Lilium auratum....240
Lilium auratum platyphyllum....240
Lily, Fireflame....131
Lily — Golden Clarion strain; Heart's Desire strain; Olympic hybrids....422
Lily, Sunburst hybrids....364

M

Malus atrosanguinea....76
Marigolds, Man-in-the-Moon, with zinnias and dwarf phlox....278
Mountain flowers, garden of Betty Jane Hayward, Alyssum saxatile and saxatile citrinum; Arabis albida flora-plena, A. alpina and A. Spring Charm; Arnebia echioides; Aubretia; Daphne cneorum; Iris pumila; Narcissus Thalia; Phlox subulata Blue Hills; Primula auricula and P. polyanthus....165

O

Old Mill Stream....543
Orchid jungle....534
Orchids for sunny windows, Brassia species; Cattleya bowringiana; Cattleya gigas; Cattleya peeteri; Dendrobium phalaenopsis; Dendrobium phalaenopsis Ronaele; Epidendrum alatum; Epidendrum aromaticum; Epidendrum atropurpureum; Laeliocattleya Nancy Berquest; Laeliocattleya Black Hawk; Laeliocattleya Waubesa; Phalaenopsis Doris; Stanhopea wardi....534

P

Pansies....113
Peach, Belle of Georgia....20
Peonies and bearded iris, garden of Mr. and Mrs. Stedman Buttrick....533
Peony, Japanese hybrid....533
Peony, Japanese hybrid; Phyllis Kelway....533
Peony Phyllis Kelway....533
Pieris, Japanese....38
Plants, potted, garden of George Taloumis....381
Plums, Redcoat....393
Pomegranate and Fig....587
Primula japonica, garden of Mrs. Arthur Adams....296

R

Raspberries, Amber....20
Rhododendron calendulaceum....351
Rhododendron species — ambiguum, augustini, campylogynum, cinnabarinum, concatenans, dichroanthum, discolor, facetum, ferrugineum, griersonianum, racemosum, russatum, scyphocalyx, trichostomum ledoides, wardi....259
Rhododendron hybrids — Betty Wormald, Britannia, Everestianum, Keay Slocock, Mariloo, Mrs. Ashley Slocock, Purple Splendour, Sappho, Tan....316
Rock garden, see Mountain flowers....165
Rose, Betsy McCall, arrangement....333
Rose, Blaze....166
Rose garden; Floribundas Betty Prior and Paul's Scarlet climber; Hybrid tea Orange Ruffels....93
Rose, President Eisenhower, arrangement by Myra J. Brooks....297
Rose, White Bouquet, arrangement....333
Roses, Betty Prior and Paul's Scarlet Climber....93
Roses, floribunda, Permanent Wave....544

S

Shrubs for Winter color — Japanese barberry, Japanese pieris, linden viburnum, red-osier dogwood....38
Spring dooryard garden of Mr. and Mrs. W. J. Crawley, Jr....241
Strawberry leaves showing mineral deficiencies....334

T

Trillium grandiflorum....58
Tuberous begonias, see Begonias, tuberous.
Tulip time, garden of Mrs. Lawrence Churchill....488
Tulipa kaufmanniana Brilliant....185

V

Vegetable display at Harvest Show....489
Viburnum carlcephalum....75
Viburnum dilatatum....38

W

Wisteria, Chinese, garden of Mr. and Mrs. Harold Ross....421

They Presented Him Gifts

Continued from page 598

The gum is gathered by making successive incisions in the bark of the trunk and branches. It exudes in shiny oblong or roundish drops that soon become brittle. It has a bitter taste, and when burned becomes a volatile oil, giving off a sweet fragrance. The incense used in the Temple was probably a mixture of ingredients including myrrh, saffron, cinnamon and others.

Frankincense is mentioned 22 times in the Bible. It was also valued by the Egyptians, who used it for embalming. The word itself means "free lighting". This imported substance, sacred to the Jews and to many other peoples, was indeed a gift for a King.

The myrrh of the Old and New Testaments came from two different sources. It was used in embalming and purifying and with other spices and fragrances as a perfume and holy oil.

One source is a low, thorny shrub or small tree known as commiphora, and is represented by *Commiphora kataf* and *C. myrrha*. It grows in rocky places and on limestone hills in Arabia, Abyssinia and especially along the Somali coast of East Africa. The leaves are trifoliate, the thorns many and long and the fruits somewhat plum-shaped.

Both the bark and wood of commiphora have a strong odor and a gum that is constantly exuding from the stems and branches. To gather the gum in quantity, incisions are made. This gum comes out first as a sticky white or yellowish-brown resin.

The other source of myrrh is an attractive little shrub that grows among the rocks, in the sand at the edge of the desert, on the plains and nearly everywhere in the Middle East. It is the cistus or rock-rose, also called the lot plant (from the Hebrew, lot).

During the heat of the day, a soft, dark brown gummy resin exudes from the stems and leaves of these little plants. This has been gathered by peasants and other humble folk for hundreds of years. Today it is used in making dentifrices and perfumes. In Bible times it was probably mixed with the more expensive imported myrrh to increase the amount. It is the labdanum or ladanum of commerce. *Cistus creticus, C. salvifolius* and *C. villosus* are the kinds found in the Middle East.

The word "myrrh" translated means bitter. It was an ingredient of the anointing oil used in the Temple and of a salve used in embalming. In choosing it as a holy gift for the Christ Child, the Wise Men revealed in the shining message of the Christmas Star their prophesy of the ever-need for sacrifice and selflessness in expressing a great love for mankind.